

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-57 (Canceled).

58. (New) Matable electrical connectors having signal and power capabilities, comprising:

a) a receptacle connector comprising an insulative housing and a receptacle contact disposed therein, said receptacle contact comprising a substantially U-shaped electrically conductive body defined by three open sides and three closed sides, at least one of the three closed sides having a receptacle contact heat dissipation opening therein;

b) a plug connector comprising an insulative housing and a plug contact disposed therein, said plug contact comprising:

i) a substantially U-shaped electrically conductive body defined by three open sides and three closed sides, at least one of the three closed sides having a plug contact heat dissipation opening therein;

ii) only one solid deflectable beam extending from one of the three closed sides of the plug contact; and

iii) only one solid deflectable beam extending from another of the three closed sides of the plug contact.

59. (New) The matable connectors of claim 58, wherein two of the three closed sides of the receptacle contact each define a receptacle heat dissipation opening.

60. (New) The matable connectors of claim 58, wherein two of the three closed sides of the plug contact each define a plug contact heat dissipation opening.
61. (New) The matable connectors of claim 58, wherein the receptacle contact further comprises at least two terminals extending from two of the three closed sides thereof.
62. (New) The matable connectors of claim 58, wherein the plug contact further comprises at least two terminals extending from two of the three closed sides thereof.
63. (New) The matable connectors of claim 58, wherein, the insulative housing of the receptacle connector further comprises a heat dissipation opening that is in fluid communication with the receptacle contact heat dissipation opening.
64. (New) The matable connectors of claim 58, wherein the insulative housing of the plug connector further comprises a housing heat dissipation opening that is in fluid communication with plug contact heat dissipation opening.
65. (New) The matable connectors of claim 58, wherein said first deflectable beam extends along an imaginary beam axis that intersects said imaginary axis of said body, and heat flows from said first deflectable beam in a direction perpendicular to said imaginary beam axis.

66. (New) An electrical contact for power applications comprising:

a pair of opposed contact side walls defined by a first planar panel, a second planar panel, and a medial space between the first planar panel and the second planar panel;

an arcuate-shaped bridging element connecting respective top edges of the first and second planar panels;

a first plurality of terminals extending from a bottom edge of the first planar panel for mounting to a printed circuit structure; and

a second plurality of terminals, which are separate from said first plurality of terminals, extending from a bottom edge of the second planar panel for mounting to a printed circuit structure.

67. (New) An electrical contact for power applications comprising:

a pair of opposed contact side walls defined by a first planar panel, a second planar panel, and a medial space between the first planar panel and the second planar panel; and

a pair of flexible beams that each extend from a respective one of said opposed contact side walls along an imaginary longitudinal axis, said pair of beams defining a heat flow path that is not obstructed by either of said pair of said beams and is oriented in a direction that is angled with respect to either imaginary longitudinal axis of said pair of beams.